

Standard Equipment /Optional Equipment

Standard Equipment

| | |
|---|---|
| Fully suspended operator compartment (2t & 2.5t) | Automatic speed reduction when cornering |
| Suspended floor (T14 S) | Electromagnetic emergency brake acting proportionally to the load weight |
| Narrow chassis width | CAN bus technology |
| Key switch or PIN Code access | Drive wheel Polyurethane |
| Multifunction coloured display as well as hourmeter, maintenance indication, battery discharge indicator and internal fault code indication | Single load wheels Polyurethane |
| Power assisted steering | Battery compartment for 3PzS and 4PzS |
| Automatic speed reduction when cornering | Width over fork carriage: 520mm, 540mm, 560mm & 680mm |
| ECO-Mode with up to 12% energy savings | Fork carriage length: 1000mm, 1150mm, 1160mm, 2400mm (overhang 188mm) and 2400mm (overhang 563mm) |
| Drive wheel position mentioned in display (S) | Protection -10°C |
| Steering wheel left or right side (S) | |

Optional Equipment

| | |
|--|---|
| Drive wheels: cushion rubber, synthetic cushion rubber non marking, wet grip | Linde Connected Solutions: ac:access control (PIN or RFID Dual), an:usage analysis and dt:crash detection |
| Load wheels: tandem polyurethane, single polyurethane greasable, tandem polyurethane greasable | Pole on left side for additional support |
| Lateral battery change 3PzS and 4PzS with ergonomic battery un/locking with lever | Pole on right side for flashing beacon |
| Load backrests with h=1115mm and h=1875mm | Support Clipboard DIN A4 |
| Floor compensator | Support data terminal incl. power supply cable 24V |
| Speed reduction if forks lowered | Mobile or Fixed battery stand |
| | Automatic battery watering system |
| | Cold store protection -35°C |

Li-ION technology

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|--------------------------------------|
| Rapid full charge |
| Opportunity charging |
| Rapid intermediate charging |
| Maintenance free |
| Extended lifetime |
| Efficient performance in Cold Stores |
| Side Plug available |

Li-ION batteries

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| Fits in 3 PzS SL compartment: 4,5kWh-9kWh (205Ah-410Ah) |
| Includes battery housing extra weight |
| Li-ION charger |
| Optimized 24V-Charger v255: full charging time 1h30min (4,5kWh) and 2h40min (9,0kWh) |

Other options available on request

Safety

High performance combined with safety. The operator's body remains safely within the chassis contours at all time. A deadman foot switch ensures instant braking response when necessary. The truck comes rapidly to a smooth stop thanks to an electromagnetic brake which acts proportionally to the load on the forks. Due to its compact chassis, the fork tips are easily visible ensuring safe load handling.

Performance

One of the truck's great strengths is its productivity. The compact drive unit permits precise manoeuvring for reaching the utmost performance. With capacity from 1,400 kg up to 2,500 kg, and a powerful maintenance-free 3 kW drive motor providing a maximum speed of 12 km/h, the Stand-on Pallet Truck is ideally suited to intensive lorry loading and unloading and rapid pallet transfer applications.

Comfort

The fully suspended operator compartment, completely decoupled from the chassis keeps the driver concentrated and maintains high efficiency levels throughout the shift. Allied with a padded backrest, the operator's stability is assured.

Stand-on Pallet Truck Capacity 1400, 2000 & 2500 kg T14 S, T20 S/SF, T25 S/SF

Series 1154

Linde Material Handling

Linde

Features

Fully suspended operator compartment

- Standard on 2t & 2.5t versions
- Suspended floor on T14 S
- Decoupled stand-on platform and drive unit from the chassis (S and SF)
- Comfortable and curved padded backrest (S)
- Significant reduction of vibrations transmitted to the body
- Ergonomic 90° driving position (S)

Handling

- Chassis width = 770mm
- Small I2 dimension = 800mm
- High maneuverability when operating in lorries or confined spaces
- High stand-on position for good visibility
- Stable 4 point configuration



TipControl®

- Traction, lift controls and horn grouped in one single ergonomic unit
- Enables one-handed operations
- High modularity : either left or right side
- Height adjustable hand platform
- Available on Side (S) version

Multiple driving positions

- Side (S) version: vertical to forks direction
- TipControl®, an innovative drive and lift control unit
- Steering wheel on right or left side
- Ergonomic driving position with comfortable backrest
- Stand Front (SF) version: in forks direction
- Twin grip handle bar

Drive control and settings

- Steering effort adjusts automatically to speed and turning radius
- Speed is automatically reduced in relation to the steering angle
- ECO-Mode up to 12% energy savings to finish shift with low battery status



Workstation

- Multifunctional coloured display with easy & ergonomic menu structure
- Truck access control by PIN code or ignition key
- Wide and deep storage compartment for work gloves, writing utensils etc
- Support clipboard DIN A4, flashing beacon available as option



Comprehensive energy solutions

- Battery tray for DIN batteries
- 24V batteries : capacities from 345 Ah (3PzS) to 500 Ah (4PzS)
- Lateral battery change with ergonomic battery lever & spring (option)
- Li-ION batteries from 4,5kWh to 9kWh (205-410Ah/3PzS)
- Rapid full charge in 1h30min with optimized charger



AC motor

- Powerful, 3 kW drive motor
- Maintenance-free, moisture and dust proof AC motor
- Gradient performance of max. 15% (laden)
- No roll back on gradient starts
- High torque motor negotiates loading docks with ease

Technical Data according to VDI 2198

| | | LINDE | | | | | | |
|-----------------|--|---|---|---|---|---|---|--------------------------------------|
| | | T145 | T205 | T255 | T205F | T255F | | |
| Characteristics | 1.1 | Manufacturer | LINDE | LINDE | LINDE | LINDE | LINDE | |
| | 1.2 | Manufacturer's type designation | T145 | T205 | T255 | T205F | T255F | |
| | 1.2a | Series | 1154-00 | 1154-00 | 1154-00 | 1154-00 | 1154-00 | |
| | 1.3 | Power unit | Battery | Battery | Battery | Battery | Battery | |
| | 1.4 | Operation | Stand on | Stand on | Stand on | Stand on | Stand on | |
| | 1.5 | Load capacity/Load | Q (t) | 1.4 | 2.0 | 2.5 | 2.5 | |
| | 1.6 | Load centre distance | c (mm) | 600 | 600 | 800 | 600 | 800 |
| | 1.8 | Axle centre to fork face | x (mm) | 895 / 965 ¹⁾²⁾ | 895 / 965 ¹⁾²⁾ | 1345 / 1415 ¹⁾²⁾ | 895 / 965 ¹⁾²⁾ | 1345 / 1415 ¹⁾²⁾ |
| | 1.9 | Wheelbase | y (mm) | 1533 / 1603 ¹⁾²⁾ | 1533 / 1603 ¹⁾²⁾ | 1983 / 2053 ¹⁾²⁾ | 1533 / 1603 ¹⁾²⁾ | 1983 / 2053 ¹⁾²⁾ |
| Weights | 2.1 | Service weight | (kg) | 800 ³⁾⁴⁾ | 848 ³⁾⁴⁾ | 944 ³⁾⁴⁾ | 848 ³⁾⁴⁾ | 944 ³⁾⁴⁾ |
| | 2.2 | Axle load with load, front/rear | (kg) | 881 / 1319 ³⁾⁴⁾ | 1057 / 1791 ³⁾⁴⁾ | 1426 / 2018 ³⁾⁴⁾ | 1057 / 1791 ³⁾⁴⁾ | 1426 / 2018 ³⁾⁴⁾ |
| | 2.3 | Axle load without load, front/rear | (kg) | 612 / 188 ³⁾⁴⁾ | 672 / 176 ³⁾⁴⁾ | 739 / 205 ³⁾⁴⁾ | 672 / 176 ³⁾⁴⁾ | 739 / 205 ³⁾⁴⁾ |
| Wheels/Tyres | 3.1 | Tyres rubber, SE, pneumatic, polyurethane | V+P/P ⁵⁾ | V+P/P ⁵⁾ | V+P/P ⁵⁾ | V+P/P ⁵⁾ | V+P/P ⁵⁾ | |
| | 3.2 | Tyre size, front | Ø 230 x 90 | Ø 254 x 102 | Ø 254 x 102 | Ø 254 x 102 | Ø 254 x 102 | |
| | 3.3 | Tyre size, rear | Ø 85 x 105 (2x Ø 85 x 80) ⁶⁾ | Ø 85 x 105 (2x Ø 85 x 80) ⁶⁾ | Ø 85 x 105 (2x Ø 85 x 80) ⁶⁾ | Ø 85 x 105 (2x Ø 85 x 80) ⁶⁾ | Ø 85 x 105 (2x Ø 85 x 80) ⁶⁾ | |
| | 3.5 | Wheels, number front/rear (x = driven) | 1x + 2 / 2 (1x + 2 / 4) ¹⁾ | 1x + 2 / 2 (1x + 2 / 4) ⁹⁾ | 1x + 2 / 2 (1x + 2 / 4) ⁹⁾ | 1x + 2 / 2 (1x + 2 / 4) ⁹⁾ | 1x + 2 / 2 (1x + 2 / 4) ⁹⁾ | |
| | 3.6 | Track width, front | b10 (mm) | 484 ⁷⁾ | 484 ⁷⁾ | 484 ⁷⁾ | 484 ⁷⁾ | 484 ⁷⁾ |
| Dimensions | 3.7 | Track width, rear | b11 (mm) | 395 ⁷⁾ | 395 ⁷⁾ | 395 ⁷⁾ | 395 ⁷⁾ | 395 ⁷⁾ |
| | 4.4 | Lift | h3 (mm) | 125 ⁷⁾ | 125 ⁷⁾ | 125 ⁷⁾ | 125 ⁷⁾ | 125 ⁷⁾ |
| | 4.15 | Height, lowered | h13 (mm) | 88 ⁷⁾ | 88 ⁷⁾ | 88 ⁷⁾ | 88 ⁷⁾ | 88 ⁷⁾ |
| | 4.19 | Overall length | l1 (mm) | 1950 ⁷⁾ | 1950 ⁷⁾ | 2400 ⁷⁾ | 1950 ⁷⁾ | 2400 ⁷⁾ |
| | 4.20 | Length to fork face | l2 (mm) | 800 ⁷⁾ | 800 ⁷⁾ | 800 ⁷⁾ | 800 ⁷⁾ | 800 ⁷⁾ |
| | 4.21 | Overall width | b1/b2 (mm) | 770 ⁷⁾ | 770 ⁷⁾ | 770 ⁷⁾ | 770 ⁷⁾ | 770 ⁷⁾ |
| | 4.22 | Fork dimensions DIN ISO 2331 | s/e/l (mm) | 55 x 165 x 1150 | 55 x 165 x 1150 | 55 x 165 x 1600 | 55 x 165 x 1150 | 55 x 165 x 1600 |
| | 4.25 | Fork spread | b5 (mm) | 520/540/560/680 ²⁾ | 520/540/560/680 ²⁾ | 520/540/560/680 ²⁾ | 520/540/560/680 ²⁾ | 520/540/560/680 ²⁾ |
| | 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | 30 ⁸⁾ | 30 ⁸⁾ | 30 ⁸⁾ | 30 ⁸⁾ | 30 ⁸⁾ |
| | 4.34.1 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 2165 ⁹⁾¹⁰⁾ | 2165 ⁹⁾¹⁰⁾ | - | 2165 ⁹⁾¹⁰⁾ | - |
| 4.34.2 | Aisle width with pallet 800 x 1200 along forks | Ast (mm) | 2215 ⁹⁾ | 2215 ⁹⁾ | - | 2215 ⁹⁾ | - | |
| 4.35 | Turning radius | Wa (mm) | 1710 / 1780 ¹⁾ | 1710 / 1780 ¹⁾ | 2160 / 2230 ¹⁾ | 1710 / 1780 ¹⁾ | 2160 / 2230 ¹⁾ | |
| Performance | 5.1 | Travel speed, with/without load | (km/h) | 8 / 10 ¹¹⁾ | 10 / 12 ¹¹⁾ | 10 / 12 ¹¹⁾ | 10 / 12 ¹¹⁾ | 10 / 12 ¹¹⁾ |
| | 5.2 | Lifting speed, with/without load | (m/s) | 0.04 / 0.047 ⁴⁾ | 0.036 / 0.043 ⁴⁾ | 0.027 / 0.034 ⁴⁾ | 0.036 / 0.043 ⁴⁾ | 0.027 / 0.034 ⁴⁾ |
| | 5.3 | Lowering speed, with/without load | (m/s) | 0.074 / 0.07 ⁴⁾ | 0.064 / 0.059 ⁴⁾ | 0.067 / 0.059 ⁴⁾ | 0.064 / 0.059 ⁴⁾ | 0.067 / 0.059 ⁴⁾ |
| | 5.8 | Maximum climbing ability, with/without load | (%) | 16.0 / 20.0 | 15.0 / 20.0 | 9.0 / 20.0 | 15.0 / 20.0 | 9.0 / 20.0 |
| 5.10 | Service brake | | Electro-magnetic | Electro-magnetic | Electro-magnetic | Electro-magnetic | Electro-magnetic | |
| Drive | 6.1 | Drive motor rating S2 60 min | (kW) | 2.3 | 3 | 3 | 3 | 3 |
| | 6.2 | Lift motor rating at S3 15% | (kW) | 1.2 | 1.2 | 1.5 | 1.2 | 1.5 |
| | 6.3 | Battery according to DIN 43531/35/36 A,B,C,no | | 43 535/B 3PzS [Li-ION (3PzS)] | 43 535/B 3PzS [Li-ION (3PzS)] | 43 535/B 3PzS [Li-ION (3PzS)] | 43 535/B 3PzS [Li-ION (3PzS)] | 43 535/B 3PzS [Li-ION (3PzS)] |
| | 6.4 | Battery voltage/rated capacity (5h) | (V)/(Ah) | 24 / 345/375 [23/205] ¹²⁾ | 24 / 345/375 [23/205] ¹²⁾ | 24 / 345/375 [23/205] ¹²⁾ | 24 / 345/375 [23/205] ¹²⁾ | 24 / 345/375 [23/205] ¹²⁾ |
| | 6.5 | Battery weight (± 5%) | (kg) | 287 [190] ¹²⁾ | 287 [190] ¹²⁾ | 287 [190] ¹²⁾ | 287 [190] ¹²⁾ | 287 [190] ¹²⁾ |
| | 6.6 | Power consumption according to VDI cycle | (kWh/h) | 0.33 | 0.4 | 0.53 | 0.4 | 0.53 |
| | 6.7 | Turnover output | (t/h) | 99.4 | 146.0 | 170.0 | 146.0 | 170.0 |
| | 6.8 | Energy consumption at turnover output | (kWh/h) | 1.09 | 1.5 | 1.77 | 1.5 | 1.77 |
| 8.1 | Type of drive unit | | LAC | LAC | LAC | LAC | LAC | |
| 10.7 | Sound pressure level LpAZ (at the driver's seat) | (dB(A)) | 62 ¹³⁾ | 65 ¹³⁾ | - | 65 ¹³⁾ | - | |

- 1) Forks upraised / lowered
- 2) (± 5 mm)
- 3) Figures with battery, see line 6.4/6.5.
- 4) (± 10%)
- 5) Solid rubber + polyurethane / polyurethane
- 6) Figures in parenthesis with tandem load wheels.
- 7) (-0/+5 mm)
- 8) (± 2 mm)
- 9) Including a 200 mm (min.) operating aisle clearance.
- 10) With fork length 1150 mm
- 11) (± 5%)
- 12) Figures in [] with Li-ION battery see line 6.4
- 13) (± 2.5)

